

FORM PTO-1449 (REV. 7-80)	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 130109.447C1	APPLICATION NO. 10/072,813
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS David P. Wilkinson et al.	
FILING DATE February 8, 2002		GROUP ART UNIT 1745	JUN 06 2002 O I P E S E C

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	RECORD DATE IF APPROPRIATE
W	AA 5,702,839	12/30/97	Frost et al.	429	42	
W	AB 5,840,438	11/24/98	Johnson et al.	429	30	
W	AC 5,958,613	09/28/99	Hamada et al.	429	26	
	AD					
	AE					
	AF					
	AG					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
✓	AI	GB 2316802	03/04/98	United Kingdom	
✓	AJ	JP 10-92439	04/10/98	Japan (+ English Abstract)	X
✓	AK	JP 3-222261	10/01/91	Japan (+ English Abstract)	X
	AL				

OTHER PRIOR ART (*Including Author, Title, Date, Pertinent Pages, Etc.*)

W	AN	Derwent WPI Accession No. 1998-123288/199812, March 4, 1998.
W	AO	English Abstract of Japanese Patent No. JP 10-92439, April 10, 1998.
W	AP	English Abstract of Japanese Patent No. JP 3-222261, October 1, 1991.
W	AQ	English Translation of Japanese Patent No. 3-222261, October 1, 1991.
W	AR	St-Pierre et al., "Advanced Water Management Techniques For Solid Polymer Fuel Cells," <i>New Materials For Fuel Cell and Modern Battery System II: Proceedings of the 2nd International Symposium on New Materials for Fuel Cell and Modern Battery Systems II</i> , Publisher: Ecole Polytechnique de Montreal, O. Savadogo and P.R. Roberge (eds.), Montreal, Quebec, Canada, July 6-10, 1997, pp. 318-329.

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EXAMINER <i>J. Lynn</i>	DATE CONSIDERED <i>6/8/04</i>

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Sheet 1 of 2

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PATENT & TRADEMARK OFFICE

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
n AA	3,553,023	01/05/71	Doyle	136	86	
n AB	4,459,342	07/10/84	Shigeta et al.	429	34	
n AC	4,615,955	10/07/86	Amakawa et al.	429	34	
n AD	4,804,592	02/14/89	Vanderborgh et al.	429	33	
n AE	4,851,377	07/25/89	Breault	502	101	
n AF	4,855,193	08/08/89	McElroy	429	30	
n AG	5,252,410	10/12/93	Wilkinson et al.	429	33	
n AH	5,260,143	11/09/93	Voss et al.	429	13	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
n AI	EP 343679 B1	11/29/89	EPO		
n AJ	EP 654837 A1	05/24/95	EPO		
n AK	GB 133882	10/23/19	Great Britain		
n AL	JP 495357	03/27/92	Japan		X
n AM	WO 94/05049	03/03/94	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

n AN	English Abstract of French Patent No. FR2381835, February 28, 1977. October 27, 1978
n AO	English Translation of Japanese Patent No. JP495357, March 27, 1992. 1993.
n AP	English Abstract of Japanese Patent No. JP06150938, May 31, 1994.
n AQ	English Abstract of Japanese Patent No. JP4622736, June 29, 1971.
n AR	Neubrand, A., "Electrochemical processing of porosity gradients for the production of functionally graded materials," <i>Journal of Applied Electrochemistry</i> 28: 1179-1188, 1998.

EXAMINER J. Lyp	DATE CONSIDERED 6/8/04
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

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**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**
(Use several sheets if necessary)

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE, IF APPROPRIATE
n	BA	5,300,370	04/05/94	Washington et al.	429	34	
n	BB	5,558,948	09/24/96	Doyon	429	40	
n	BC	5,677,073	10/14/97	Kawatsu	429	22	
n	BD	6,054,025	04/25/00	Moriguchi et al.	204	258	
	BE						
	BF						
	BG						
	BH						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
n	BI	WO 94/11912	05/26/94	WIPO		
n	BJ	WO 95/08851	03/30/95	WIPO		
n	BK	WO 95/22179	08/17/95	WIPO		
	BL					
	BM					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BN		
BO		
BP		
BQ		
BR		

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6/8/02

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